

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

S. Hardy	Confirmation No.: Not Assigned
US Patent Application No.: 10/587,032	Art Unit: Not Assigned
International Application No. PCT/US03/18666	
IA Filing Date: June 13, 2003	Examiner: Not Assigned
For: VECTORS FOR EXPRESSION OF HML-2 POLYPEPTIDES	

**TRANSMITTAL OF SEQUENCE LISTING IN COMPUTER READABLE  
FORM IN COMPLIANCE WITH 37 C.F.R. §§1.821-1.825 AND  
STATEMENTS UNDER 37 C.F.R. §§1.821 (f) AND (g)**

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

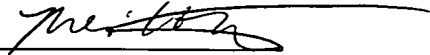
Sir:

Transmitted herewith is a copy of the "Substitute Sequence Listing" in paper form (92 sheets, comprising SEQ ID NOs: 1-83) for the above-identified application as required by 37 C.F.R. § 1.821(c) and § 1.825(a). Also enclosed are two copies of the "Substitute Sequence Listing" in computer readable form as required by 37 C.F.R. § 1.821(e) and 1.825(a). As required by 37 C.F.R. § 1.821(f), the undersigned states that the content of the "Sequence Listing" in paper form and the computer readable form of the "Sequence Listing" are the same and, as required by 37 C.F.R. §§ 1.825(a) and § 1.821(g), also states that the submission includes no new matter.

Respectfully submitted,

NOVARTIS VACCINES AND DIAGNOSTICS, INC.

Date: September 16, 2009

By: 

Novartis Vaccines and Diagnostics, Inc.  
Corporate Intellectual Property – X-100B  
Emeryville, California 94662-8097  
Phone: (510) 923-5413  
Fax: (510) 655-3542

Mei Hong, Ph. D.  
Agent for Applicant  
Registration No.: 55,276